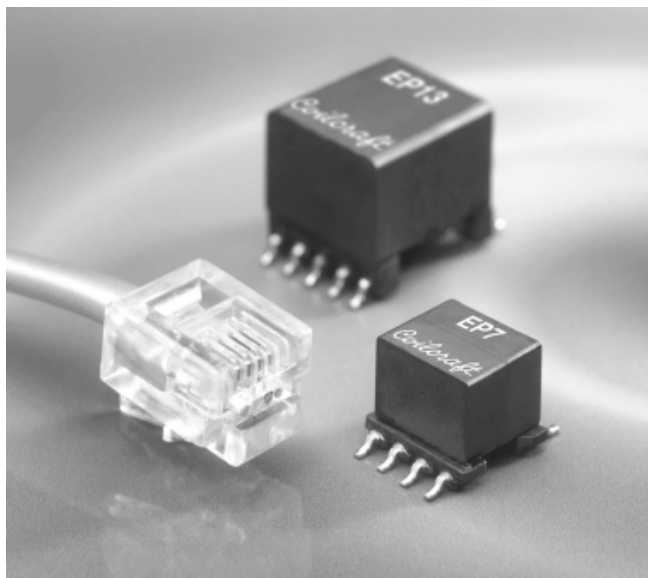


NEW!

Ultra-Small CO Driver Transformers



To meet the demand for even higher density DSLAM configurations, Coilcraft is introducing the industry's smallest Central Office magnetics.

These new line driver transformers come in an ultra-small EP7 package. Compared to conventional EP13 designs, they feature:

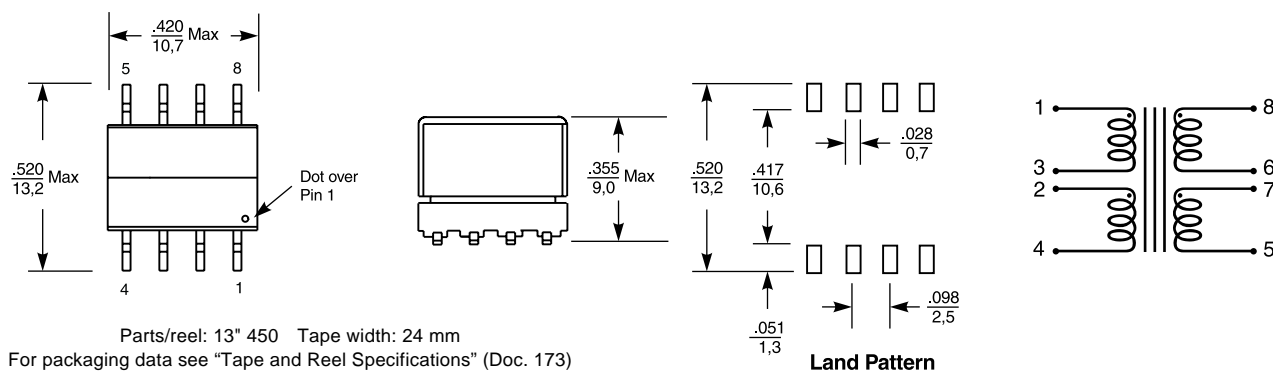
- 58% less volume (under .078 in³)
- 42% smaller footprint (just .22 in²)
- 30% lower height (less than .36 in)

These initial designs are suitable for a variety of chipsets. Coilcraft also welcomes the opportunity to customize transformers to meet specific requirements. Evaluation samples are typically available within two weeks.

Part number	Style	Line side inductance (μH)	Leakage inductance (μH) max	DCR (Ω) max		Dielectric strength (V)
				Chip side	Line side	
AS8886-B	SMD	1000 ± 6%	6.0	.44 (8-6), .44 (7-5)	.87 (1-3, 2-4)	1875
AS9006-A	SMD	400 ± 5%	5.0	.23 (8-6), .27 (7-5)	.80 (1-3, 2-4)	1875
AS9015-A	SMD	474 ± 10%	6.0	.58 (8-6), .75 (7-5)	.94 (1-3, 2-4)	1875

Part number	Turns ratio line:chip	Capacitance (pF) max	Longitudinal balance (dB) min	THD @ 20 kHz (dB) typ	Designed to meet
AS8886-B	1.81:1	N/A	45 (30 kHz - 1.1 MHz)	-85	UL 1950
AS9006-A	1.80:1	40	60 (100 kHz)	-85	UL 1950
AS9015-A	1.41:1	35	45 (20 kHz - 1.1 MHz)	-92	UL 1950

1. All electrical specifications referenced to line side.
2. Operating temperature range -40° C to +85° C.
3. Electrical specifications at 25° C.



Coilcraft

Specifications subject to change without notice. Document 243 Revised 4/4/01

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